## AMENDMENTS TO THE CLAIMS

Claims 1-27 (Cancelled)

28. (Previously Presented) A method for processing a telephone call from a first subscriber unit that is part of a first wireless telephone system, the method comprising:

receiving a request to make the telephone call to a second subscriber unit;

determining whether the second subscriber unit is connected through a digital packet based network;

routing vocoded data packets from the first subscriber unit to the second subscriber unit if the second subscriber unit is connected through the digital packet based network; and

converting the vocoded data packets into a pulse code modulated (PCM) format and routing the PCM formatted packets through a wire-based telephone system to the second subscriber unit if the second subscriber unit is not connected through the digital packet based network and wherein the PCM formatted packets are converted back into the vocoded data packets by a second wireless telephone system.

29. (Previously presented) The method as set forth in claim 28, wherein converting and routing further comprising:

signaling to the second wireless system that the vocoded data will be transmitted in tones.

30. (Previously presented) The method as set forth in claim 28, further comprising:

establishing an all digital link to the second wireless telephone system; and

delivering the vocoded data to the second wireless system over the all digital link.

31. (Previously Presented) An apparatus for processing a telephone call from a requesting subscriber unit that is part of a first wireless telephone system directed to a receiving subscriber unit, the apparatus comprising:

signal routing circuitry;

signal processing circuitry for processing vocoded data; and

a call control processor coupled to said signal processing circuitry and said signal routing circuitry, the call control processor to configure the signal routing circuitry to bypass the signal processing circuitry and route the vocoded data to the receiving subscriber unit if the receiving subscriber unit is connected through a digital packet based network, to configure the signal processing circuitry to convert the vocoded data into pulse code modulated (PCM) data and configure the signal routing circuitry to deliver the PCM data to the receiving subscriber unit through a wire-based system if the receiving subscriber unit is not connected through the digital packet based network, and wherein the PCM data is converted back into the vocoded data packets by a second wireless telephone system.

32. (Previously presented) The apparatus as set forth in claim 31 wherein the call control processor requests an all digital connection to the receiving subscriber unit if the receiving subscriber unit is part of the second wireless telephone system, and wherein the call control processor configures the signal routing circuitry to deliver the vocoded data to the receiving subscriber unit through the all digital connection.

33. (Previously Presented) The apparatus as set forth in claim 32 wherein the all digital connection passes through a local public switched telephone network and a long distance telecommunication system.

34. (Previously Presented) The apparatus as set forth in claim 31 wherein the digital packet based network comprises an asynchronous transfer mode (ATM) network.

35. (Previously Presented) An apparatus for processing a telephone call from a first subscriber unit that is part of a first wireless telephone system, the apparatus comprising:

means for receiving a request to make the telephone call to a second subscriber unit;

means for determining whether the second subscriber unit is connected through a digital packet based network;

means for routing vocoded data packets from the first subscriber unit to the second subscriber unit if the second subscriber unit is connected through the digital packet based network; and

means for converting the vocoded data packets into a pulse code modulated (PCM) format and routing the PCM formatted packets through a wire-based telephone system to the second subscriber unit if the second subscriber unit is not connected through the digital packet based network and wherein the PCM formatted packets are converted back into the vocoded data packets by a second wireless telephone system.

36. (Previously presented) The apparatus as set forth in claim 35, wherein means for converting and routing further comprising:

means for signaling to the second wireless system that the vocoded data will be transmitted in tones.

37. (Previously presented) The apparatus as set forth in claim 35, further comprising:

means for establishing an all digital link to the second wireless telephone system; and

means for delivering the vocoded data to the second wireless system over the all digital link.

38. (Previously Presented) A memory storing a computer program that, when executed, causes a computer to perform the acts of:

receiving a request to make the telephone call to a second subscriber unit;

determining whether the second subscriber unit is connected through a digital packet based network;

routing vocoded data packets from the first subscriber unit to the second subscriber unit if the second subscriber unit is connected through the digital packet based network; and

converting the vocoded data packets into a pulse code modulated (PCM) format and routing the PCM formatted packets through a wire-based telephone system to the second subscriber unit if the second subscriber unit is not connected through the digital packet based network and wherein the PCM formatted packets are converted back into the vocoded data packets by a second wireless telephone system.